

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus comprising:
at least one power supply, the at least one power supply coupled to a power supply fan,
a first power source terminal coupled to the at least one power supply,
a second power source terminal coupled to the at least one power supply, and
a fan speed controller coupled internally to the at least one power supply,
wherein the power supply fan is powered from a source external to the at least one power supply, and said power supply fan is set to an intermediate setting independent of said fan speed controller when said power supply fails.
2. (Original) The apparatus of claim 1, wherein the power supply fan continues to operate upon the at least one power supply failing.

Claim 3 (Cancelled)

4. (Currently Amended) The apparatus of claim ~~3~~1, wherein the ~~fan speed controller~~source provides a voltage to the power supply fan upon the at least one power supply failing.
5. (Original) The apparatus of claim 1, wherein the source is a server, the at least one power supply providing a portion of power to the server.
6. (Currently Amended) An apparatus comprising:
at least one power supply, the at least one power supply coupled to a power supply fan,
a first fan speed controller and a second fan speed controller both coupled to the power supply fan, the first fan speed controller internally coupled to the at least one power supply, the second fan speed controller provides fan speed control for the power supply fan upon the at least one power supply failing,
a first power source terminal coupled to the at least one power supply,
a second power source terminal coupled to the at least one power supply,

a fan speed controller terminal coupled to the power supply fan and the first fan speed controller,
wherein the power supply fan is powered from an external source to the at least one power supply, the first fan speed controller and the second fan speed controller provide fan speed control for the power supply fan simultaneously and the first fan speed controller can increase fan speed by overriding the second fan speed controller.

7. (Original) The apparatus of claim 6, wherein the power supply fan continues to operate upon the at least one power supply failing.

8. (Original) The apparatus of claim 6, wherein the first fan speed controller is powered by the at least one power supply.

Claims 9-10 (Cancelled)

11. (Currently Amended) The apparatus of claim ~~9~~6, wherein the second fan speed controller is external to the at least one power supply.

Claim 12 (Cancelled)

13. (Original) The apparatus of claim 6, wherein the external source is a server, the at least one power supply providing a portion of power to the server.

14. (Currently Amended) An apparatus comprising:

at least one power supply, the at least one power supply coupled to a power supply fan,

a switch coupled to the power supply fan,

a first fan speed controller coupled to the switch, the first fan speed controller powered by the at least one power supply,

a first internal power source terminal coupled to the switch,

a second internal power source terminal coupled to the switch,

an external fan speed controller terminal coupled to the switch,

a second fan speed controller coupled the external fan speed controller terminal,
the second fan speed controller provides fan speed control for the power supply fan
upon the at least one power supply failing,

a first external power source terminal coupled to the switch, and

a second external power source terminal coupled to the switch,

wherein power to operate the power supply fan is switched to an external source upon
the at least one power supply failing, and the first fan speed controller and the second
fan speed controller provide fan speed control for the power supply fan simultaneously
and the first fan speed controller can increase fan speed by overriding the second fan
speed controller.

15. (Currently Amended) The apparatus of claim 14, ~~further comprising: the switch~~
senses a change in voltage and switches fan speed control to a the second fan
speed controller upon sensing voltage dropping below a voltage threshold ~~coupled to~~
~~the external fan speed controller terminal.~~

16. (Currently Amended) The apparatus of claim 15, wherein ~~the second fan speed~~
~~controller provides a voltage to the power supply fan upon the at least one power~~
~~supply failing~~ can be uncoupled from the power supply fan and the switch switches
power from the power supply to the external source to continue power to the power
supply fan.

17. (Original) The apparatus of claim 15, wherein the second fan speed controller
is external to the at least one power supply.

18. (Original) The apparatus of claim 14, wherein the external source is a server,
the at least one power supply providing a portion of power to the server.

19. (Original) The apparatus of claim 14, wherein the external source is coupled to
the first and the second external power source terminals.

20. (Original) The apparatus of claim 14, further comprising:

a transmission medium coupled to the switch, wherein the switch transmits a signal on the transmission medium upon sensing the at least one power supply failing.

21. (Currently Amended) An apparatus comprising:

a plurality of power supplies, the plurality of power supplies each coupled to a separate power supply fan,

each individual power supply of the plurality of power supplies including:

an internal fan speed controller coupled to the separate power supply fan,

the fan speed controller powered by the individual power supply,

a first power source terminal coupled to the individual power supply,

a second power source terminal coupled to the individual power supply, and

a fan speed controller coupled to the separate power supply fan,

wherein the separate power supply fan receives power from the plurality of power supplies, and each power supply fan is set to an intermediate fan speed setting independent of said fan speed controller when the associated power supply fails.

22. (Original) The apparatus of claim 21, further including:

a power supply power bus coupled to the plurality of power supplies.

23. (Original) The apparatus of claim 21, wherein the power supply fan continues to operate upon the individual power supply failing.

24. (Original) The apparatus of claim 21, wherein the fan speed controller is powered by the individual power supply.

25. (Original) The apparatus of claim 21, further including:

a fan speed controller terminal coupled to the fan speed controller, and

an external fan speed controller coupled to the fan speed controller terminal.

26. (Currently Amended) The apparatus of claim 25, wherein the external fan speed controller provides a voltage fan speed control to for the power supply fan upon the individual power supply failing, and the fan speed controller and the external fan speed

controller provide fan speed control for each power supply fan simultaneously and the fan speed controller can increase fan speed by overriding the external fan speed controller.

Claim 27 (Cancelled)

28. (Original) The apparatus of claim 21, wherein each fan speed controller of the plurality of power supplies is coupled to a fan speed control bus.

29. (Original) The apparatus of claim 28, wherein non-failed power supplies of the plurality of power supplies provide a voltage to the power supply fan upon the individual power supply failing, the voltage controlling the power supply fan's speed.